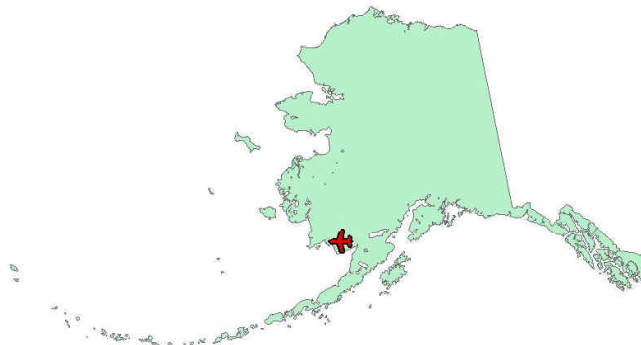




DILLINGHAM AIRPORT



2004 Alaska Airport Pavement Condition Report

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Maps and report compiled by
 H. June Finkbiner
 Central Region Materials, Alaska DOT&PF

DILLINGHAM AIRPORT

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

- Location: The Dillingham Airport approximately 5 miles north of the City of Dillingham that is located on Nushagak Bay in the Bristol Bay area of Southwestern Alaska.
- District: Southwest District, Central Region
- Airport Manager: Norman Heyano
- District Maintenance Manager: Troy Larue
- Pavement Surface: Asphalt Concrete
- Last Pavement Construction: 2003
- Pavement layout: Runway 1-19, 3 Taxiway's (A, B, and C), and Main Apron.
- Design Aircraft: B-727
- 2003 Enplanements: 48,168 – a 39% increase over 2002
- Airport Class: Primary
- Last pavement condition survey: 2004
conducted by John Rajek and Roy Stover of Central Region Materials
- Next planned pavement condition survey: 2007
- 2004 reported pavement maintenance and/or changed conditions: The runway pavement that was reconstructed and small portions of taxiways and Main Apron pavement patched in 2003 are performing well. No maintenance was done on the airport pavement in 2004.
- **Recommendations:** See PCI maps. Remaining portions of the airport pavement appear in need of rehabilitation or reconstruction. Seal cracks that are greater than ¼" wide and patch with cold mix as required to maintain serviceability.

Date: 1 /13/2005	Branch Condition Report	1 of 2
Pavement Database: NetworkID: Dillingham		

Date: 1 /13/2005

1 of 2

Pavement Database: NetworkID: Dillingham

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (Taxiway A)	2	430.00	90.00	58,700.00	TAXIWAY	68.50	25.50	67.07
200 (Taxiway B)	2	430.00	90.00	62,700.00	TAXIWAY	70.00	23.00	73.93
300 (Taxiway C)	1	440.00	62.00	28,353.00	TAXIWAY	38.00	0.00	38.00
4100 (Main Apron)	1	1,700.00	470.00	799,000.00	APRON	39.00	0.00	39.00
6100 (Runway 1-19)	3	19,212.00	50.00	960,600.02	RUNWAY	94.33	2.49	94.33

Date: 1 /13/2005

Branch Condition Report

2 of 2

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	1	799,000.00	39.00	0.00	39.00
RUNWAY	3	960,600.02	94.33	2.49	94.33
TAXIWAY	5	149,753.00	63.00	25.07	64.43
All	9	1,909,353.02	70.78	26.11	68.83

Date: 1 /13/2005

Section Condition Report

1 of 2

Pavement Database: NetworkID: Dillingham

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection	Age At Inspection	PCI
100 (Taxiway A)	100-01	10/31/1987	AAC	TAXIWAY	P	0	31,000.00	06/22/2004	17	43.00
100 (Taxiway A)	100-02	08/01/2003	AAC	TAXIWAY	P	0	27,700.00	06/22/2004	1	94.00
200 (Taxiway B)	200-01	10/31/1987	AAC	TAXIWAY	P	0	26,000.00	06/22/2004	17	47.00
200 (Taxiway B)	200-02	08/01/2003	AAC	TAXIWAY	P	0	36,700.00	06/22/2004	1	93.00
300 (Taxiway C)	300-01	10/31/1987	AAC	TAXIWAY	S	0	28,353.00	06/22/2004	17	38.00
4100 (Main Apron)	4100-01	10/31/1987	AAC	APRON	P	0	799,000.00	06/22/2004	17	39.00
6100 (Runway 1-19)	6100-01	08/01/2003	AAC	RUNWAY	P	0	320,200.01	06/22/2004	1	95.00
6100 (Runway 1-19)	6100-02	08/01/2003	AAC	RUNWAY	P	0	320,200.01	06/22/2004	1	91.00
6100 (Runway 1-19)	6100-03	08/01/2003	AAC	RUNWAY	P	0	320,200.01	06/22/2004	1	97.00

Date: 1 /13/2005

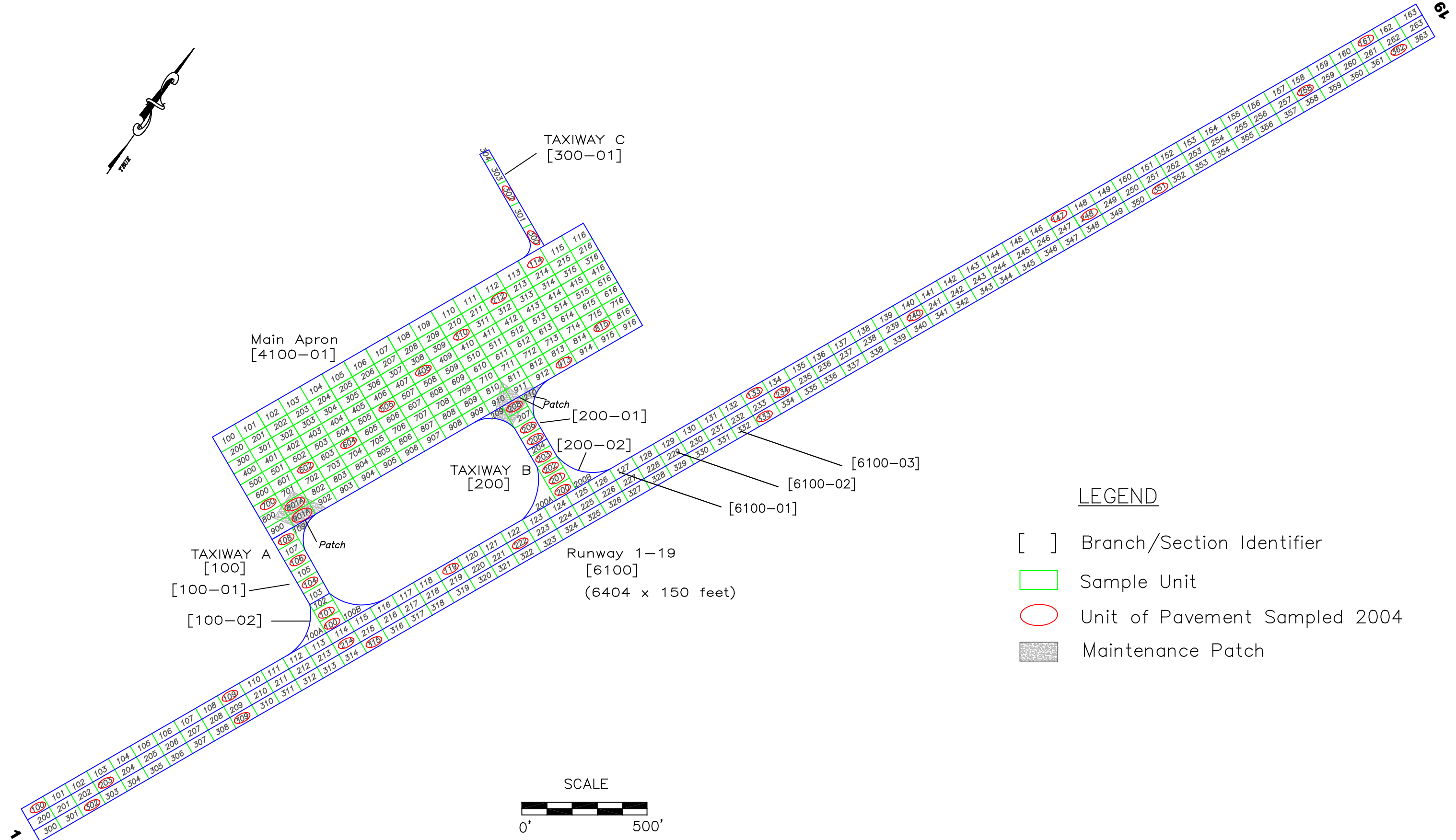
Section Condition Report

2 of 2

Pavement Database:

Age Category	Average Age At Insnection	Total Area (SqFt)	Number of Section	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
0-02	1.00	1,025,000.02	5	94.00	2.00	94.28
16-20	17.00	884,353.00	4	41.75	3.56	39.34
All	8.11	1,909,353.02	9	70.78	26.11	68.83

[illegible]



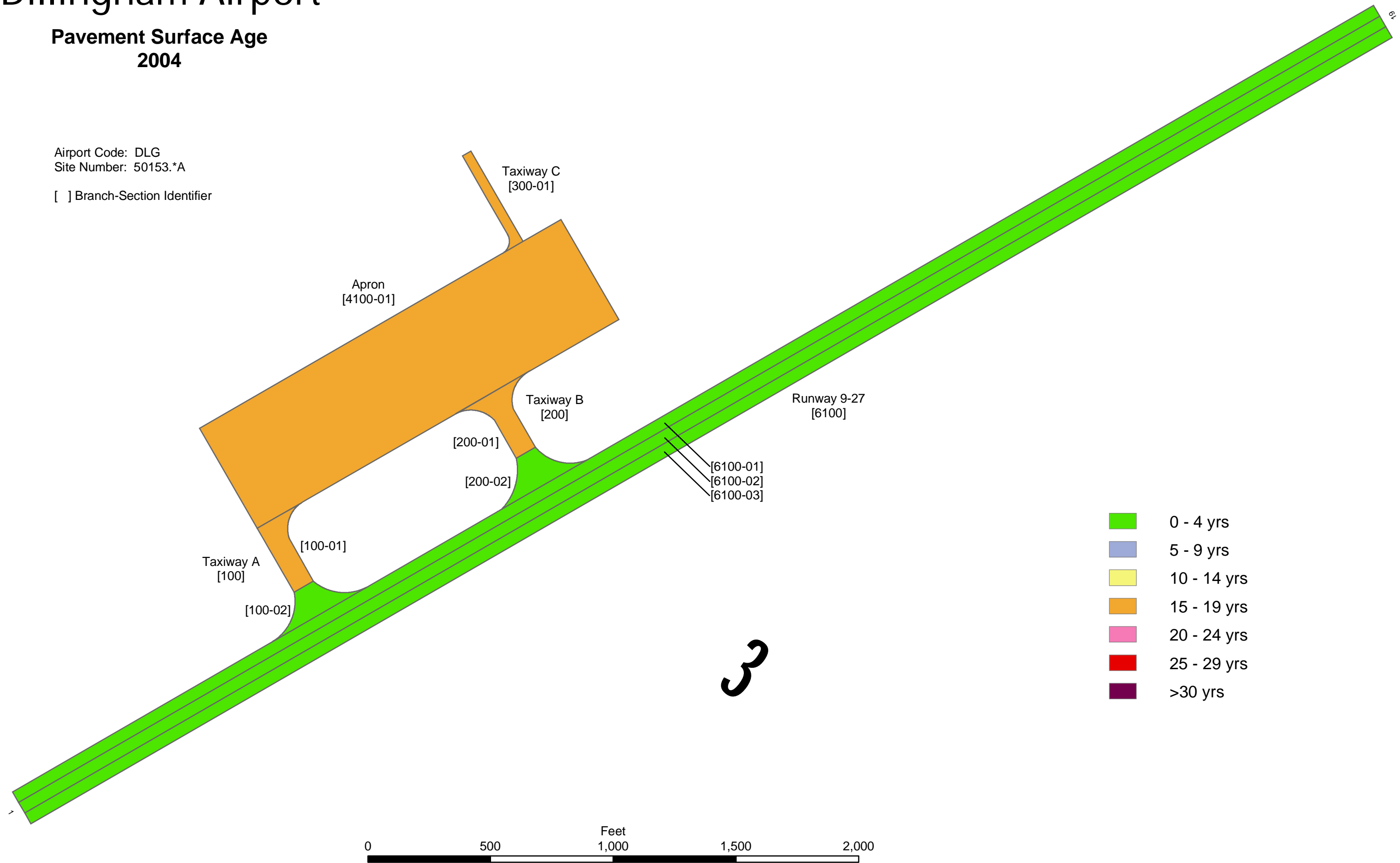
LEGEND

- [] Branch/Section Identifier
- Sample Unit
- Unit of Pavement Sampled 2004
- Maintenance Patch

Dillingham Airport

Pavement Surface Age 2004

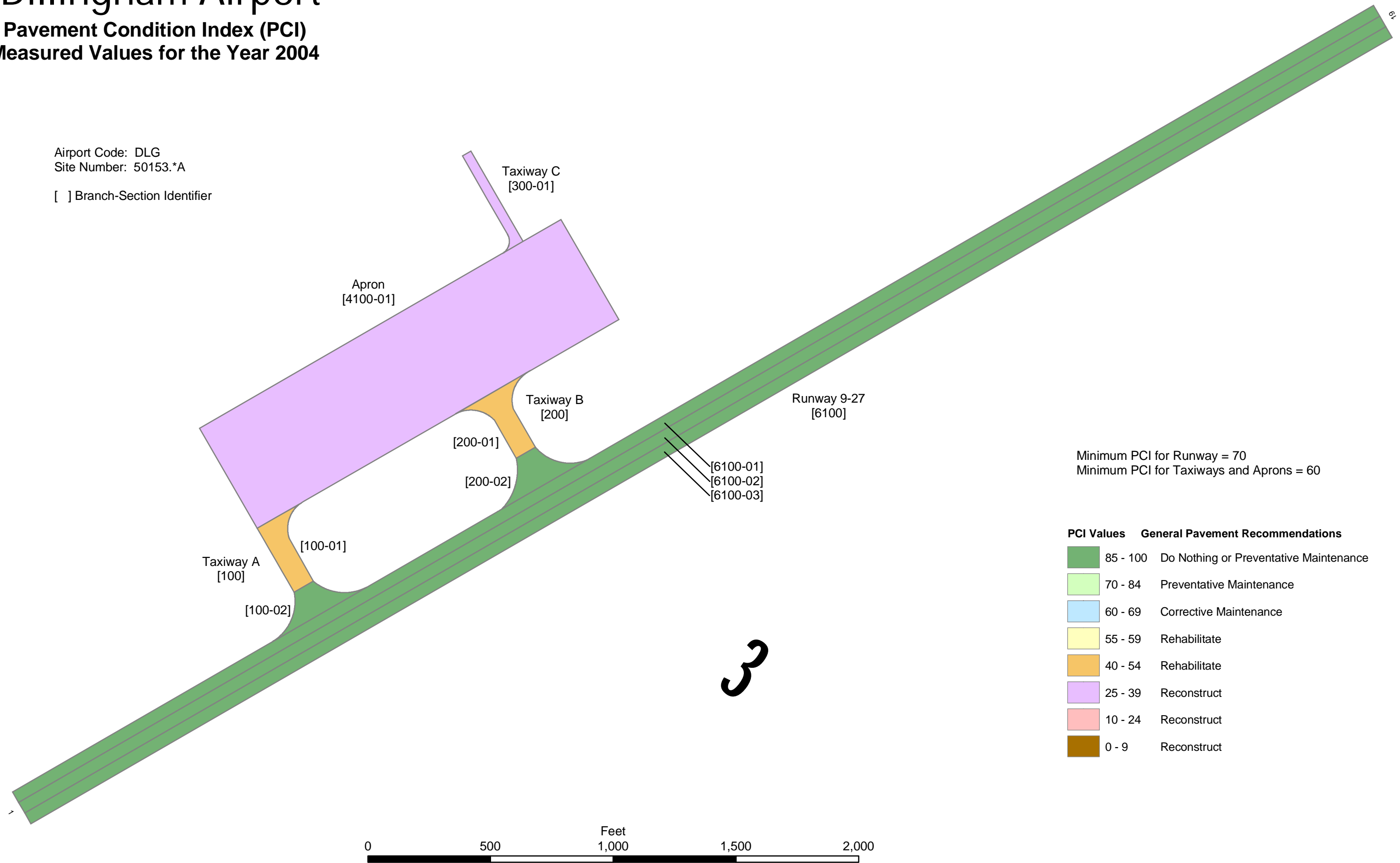
Airport Code: DLG
Site Number: 50153.*A
[] Branch-Section Identifier



Dillingham Airport

Pavement Condition Index (PCI) Measured Values for the Year 2004

Airport Code: DLG
Site Number: 50153.*A
[] Branch-Section Identifier



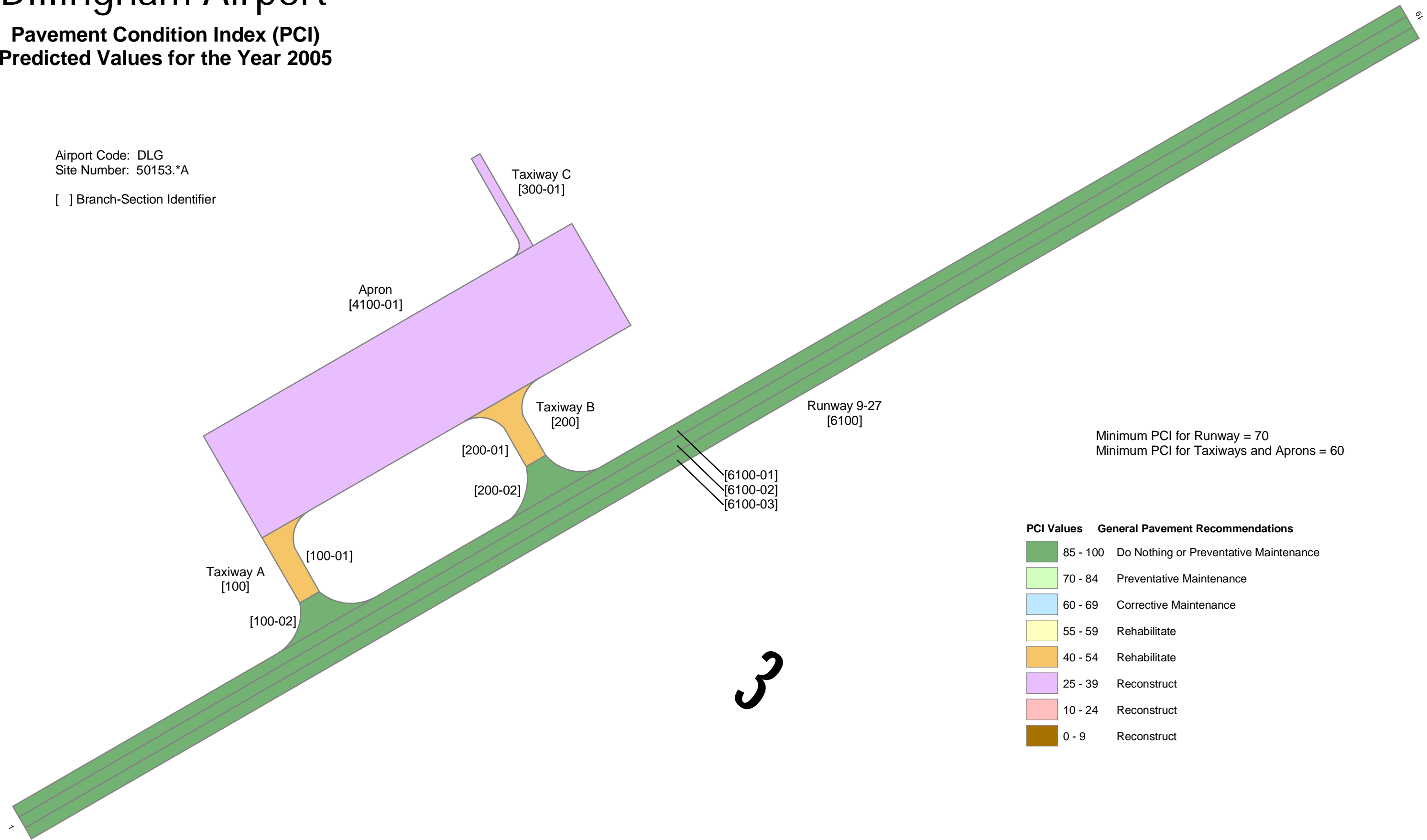
Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values		General Pavement Recommendations
	85 - 100	Do Nothing or Preventative Maintenance
	70 - 84	Preventative Maintenance
	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct

Dillingham Airport

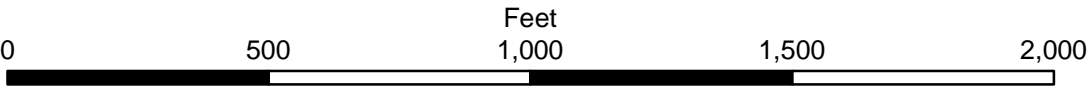
Pavement Condition Index (PCI) Predicted Values for the Year 2005

Airport Code: DLG
Site Number: 50153.*A
[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

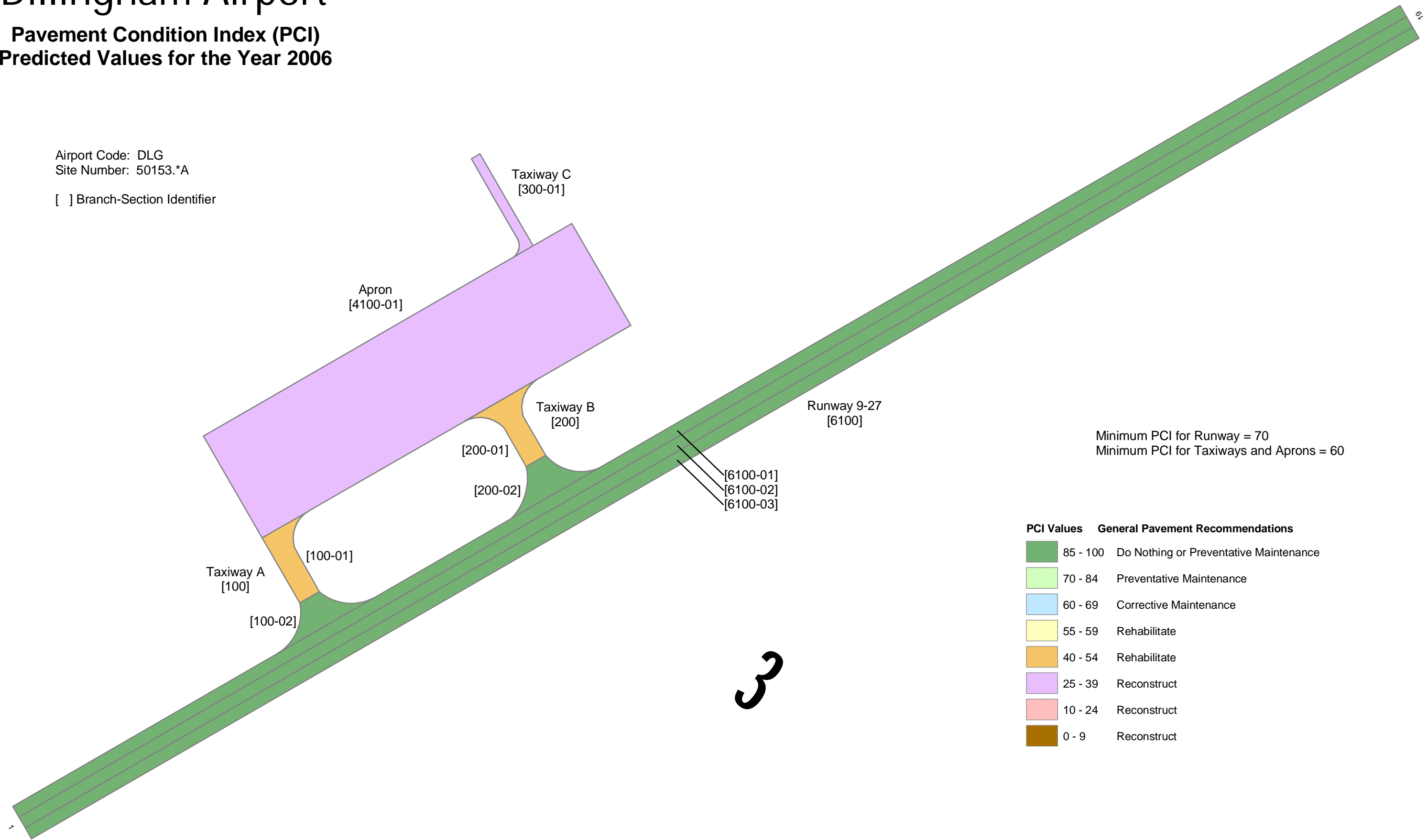
PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct



Dillingham Airport

Pavement Condition Index (PCI) Predicted Values for the Year 2006

Airport Code: DLG
Site Number: 50153.*A
[] Branch-Section Identifier



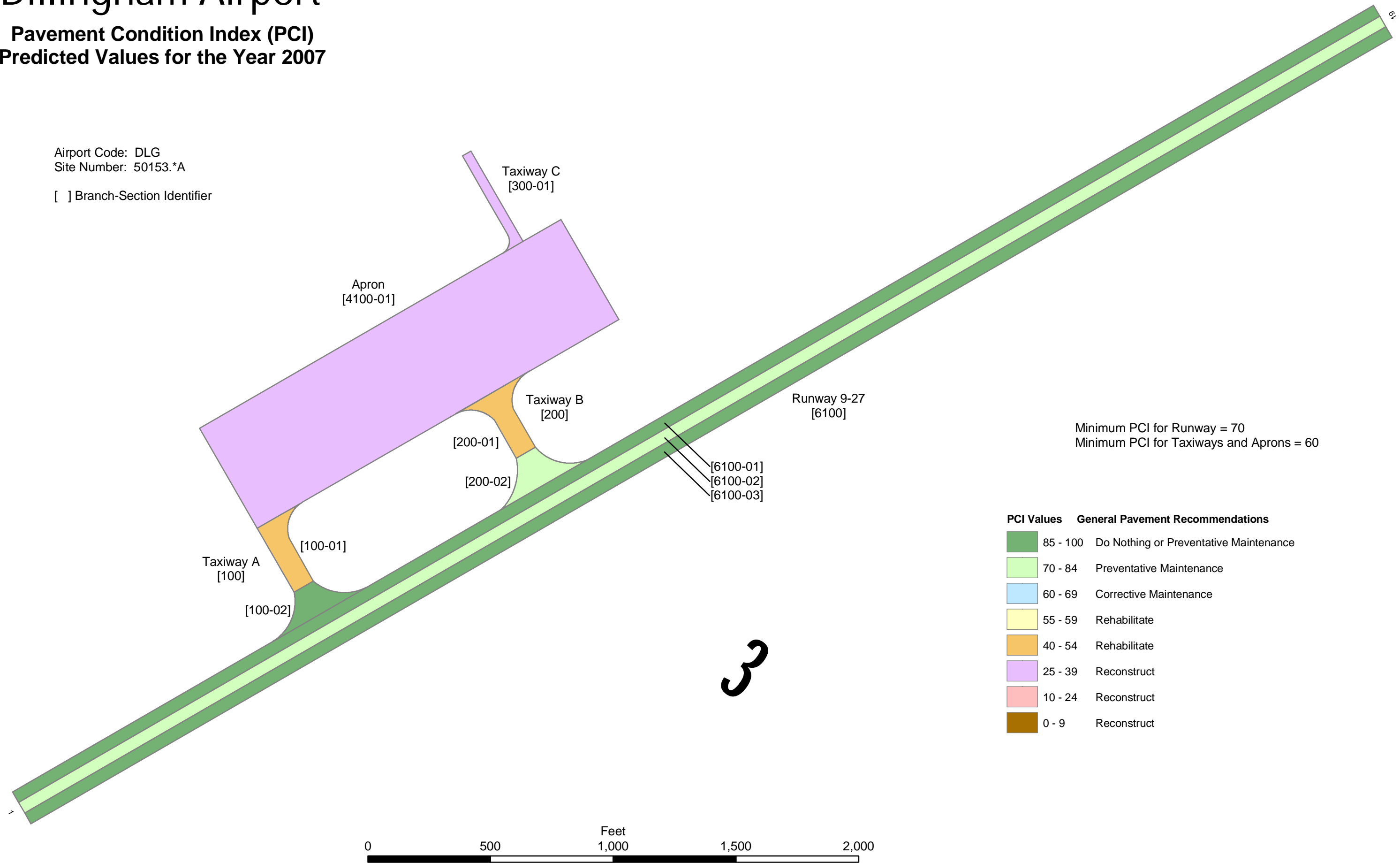
Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

Dillingham Airport

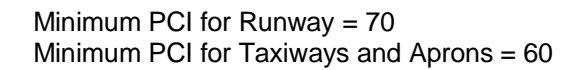
Pavement Condition Index (PCI) Predicted Values for the Year 2007

Airport Code: DLG
Site Number: 50153.*A
[] Branch-Section Identifier



Pavement Condition Index (PCI) Predicted Values for the Year 2008

[] Branch-Section Identifier



PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

Dillingham Airport

Pavement Condition Index (PCI) Predicted Values for the Year 2009

Airport Code: DLG
Site Number: 50153.*A
[] Branch-Section Identifier

